IN THE CLAIMS

Please amend Claims 6, 11 through 13, 25, 26, 28, 29, 31, and 32 and add Claims 34 through 38, as follows:

6. (Thrice Amended) A lock, comprising:

a cylinder containing a hollow recess defining a longitudinal axis;

a plug bearing a plurality of open radially oriented apertures forming an array, said plug being rotatable around said longitudinal axis while resident within said hollow recess, said plug comprising:

a first base bearing a keyway providing a first electrical conductor and an orifice spaced-apart from and separated by a mass of said plug from said keyway;

a second base separated by an axial length of said plug from said first base, said second base bearing means for supporting a cam;

an exterior surface extending between and engaging said first base and said second base;

a sidebar positioned between said first base and said second base to reciprocate between a first location with said sidebar simultaneously engaging said plug and said cylinder surrounding said plug, and a second location releasing said plug for rotation relative to the cylinder;

locking means disposed within said apertures to reciprocate relative to said cylinder in response to a key inserted into said keyway to accommodate reciprocation of said sidebar relative to said plug and relative to said cylinder when the key while inserted into said keyway engages in

h1 cont.

a selected relation with said locking means, and obstructing said reciprocation absent said selected relation;

a second electrical conductor terminating with an electrical contact exposed to an exterior of said first base through said orifice;

an electronic logic circuit borne by said plug, coupled to receive electrical power and data signals via said first and second electrical conductors, and generating control signals in dependence upon said electrical power and data signals; and

an electrical operator borne by said plug, disposed within one of said apertures, said operator having a distal member radially [reciprocating] traveling along an axis transverse to said longitudinal axis, in dependence upon said control signals between a first position relative to said exterior surface accommodating said reciprocation and a second and different position relative to said exterior surface obstructing said reciprocation in concert with said locking means[, said reciprocation].

h2 Sub B

11. (Twice Amended) A lock, comprising:

a shell containing a hollow recess defining a longitudinal axis and an [intenser] interior cylindrical surface;

a plug rotatable around said longitudinal axis while resident within said hollow recess, and a bar interposed between said shell and said plug to reciprocate generally along a radial [plate] plane between a first position engaging both said shell and said plug while obstructing rotation of said plug within said recess, and a second position accommodating said rotation[;], said

plug comprising:

a first base bearing a keyway providing a first electrical conductor and an orifice spaced-apart from and separated by a mass of said plug from said keyway;

a second base separated by an axial length of said plug from said first base, said second base bearing means for supporting a cam;

an exterior surface extending between and engaging said first base and said second base;

locking means responsive to a key inserted into said keyway to accommodate reciprocation of said bar between said first position and said second position when the key while inserted into said keyway engages in a selected relation with said locking means and obstructing said reciprocation absent said selected relation;

a second electrical conductor terminating with an electrical contact exposed to an exterior of said first base through said orifice;

an electronic logic circuit coupled to receive electrical power and data signals via said first and second electrical conductors, and generating control signals in dependence upon said electrical power and data signals; and

an electrical operator having a distal member radially reciprocating along an axis transverse to said longitudinal axis, in dependence upon said control signals between a first orientation relative to said exterior surface enabling said reciprocation and a second and different orientation relative to said exterior surface obstructing said reciprocation.

h2 cont.

12. (Amended) The plug of claim 1, [with] further comprised of said:

[locking means comprising a sidebar movably borne by said plug with an edge of said sidebar disposed to engage the cylinder; and]

electrical operator comprising an electrical coil coaxially aligned with said distal member, to [displace] move said distal member [from] between said [first] second position [to] and said [second] first position in response to said control signals; and

[said] distal member bearing a circumferential surface blocking said [radial movement of said sidebar] reciprocation while said distal member is in said second position, and a [groove] variation in said circumferential surface accommodating said [radial movement] reciprocation while said distal member is in said first position.

13. (Amended) The plug of claim 6, [with] further comprised of said:

[locking means comprising a sidebar movably borne by said plug with an edge of said sidebar disposed to engage the cylinder; and]

electrical operator comprising an electrical coil coaxially aligned with said distal member, to [displace] more said distal member [from] between said [first] second position [to] and said [second] first position in response to said control signals; and

[said] distal member bearing a circumferential surface blocking said radial movement of said sidebar while said distal member is in said second position, and a [groove] variation in said circumferential surface accommodating said [radial movement] reciprocation while said distal member is in said first position.

h3 Sub I1 25. (Amended) A lock, comprising:

a shell containing a hollow recess defining a longitudinal axis and an [intensor] interior cylindrical surface;

a plug rotatable around said longitudinal axis while resident within said hollow recess[,];

a bar interposed between said shell and said plug to reciprocate generally along a radial [plate] plane between a first position engaging both said shell and said plug while obstructing rotation of said plug within said recess, and a second position accommodating said rotation, said plug comprising:

a first base and a second base separated by an axial length of said plug from said first base, said second base bearing means for supporting a cam; and

an electrical operator[,] borne by said plug and rotatable with said plug, said electrical operator being electrically operable to respond to a control signal by moving between a first orientation and a second and different orientation providing obstruction of said bar.

26. (Amended) The lock of claim 25, [with said electrical operator, responsive to] further comprised of:

a logic circuit generating said control [signals] signal in response to a comparison between a code set within said logic circuit and a data signal applied to said logic circuit; and

said electrical operator moving between said second orientation and said first

h3 cont.

orientation in response to said control signal [from a logic circuit].

h4

28. (Amended) The lock of claim 27, [wherein] further comprised of a locking mechanism borne by said plug, said plug being perforated by an aperture admitting reciprocal travel of a key relative to said locking mechanism, and said locking mechanism obstructing movement of said plug relative to said shell absent the key [engages in] exhibiting a selected relation with said locking [means] mechanism.

29. (Amended) The lock of claim 25, further comprised of a plurality of electrical conductors borne by said lock to engage a circuit in [the] a key inserted into said plug.

h5

31. (Amended) The lock of claim 30, further comprised of said power source being mounted on [the] a key.

32. (Amended) The lock of claim 25, further comprised of a network of plugs including said plug, and a switching device controlling operation of said network.[.]

h6

--34. The lock of claim 1, further comprised of said:

electrical operator comprising an electrical coil moving said distal member, to reciprocate said distal member between said first position and said second position in response to said control signals; and

h6 cont.

said distal member bearing a circumferential surface blocking said radial movement of said sidebar while said distal member is in said second position, and accommodating said radial movement while said distal member is in said first position.

--35. The lock of claim 6, further comprised of said:

electrical operator comprising an electrical coil moving said distal member, to reciprocate said distal member between said first position and said second position in response to said control signals; and

said distal member bearing a circumferential surface blocking said radial movement of said sidebar while said distal member is in said second position, and accommodating said radial movement while said distal member is in said first position.

--36. The lock of claim 16, further comprising said distal member bearing a mass engaging said detent and blocking said rotation while said distal member is in said first position, and a groove through said mass accommodating relative passage between said distal member relative to said detent while said distal member is in said second position.

--37. The lock of claim 16, further comprising said distal member bearing a mass exhibiting a first height accommodating relative passage between said distal member relative to said detent while said distal member is in said second position, and a second and greater height engaging and blocking said rotation while said distal member is in said first position.

h4 cont.

--38. The lock of claim 16, further comprising said distal member bearing a mass having a periphery engaging said detent and blocking said rotation while said distal member is in said first position, and a central variation in said mass relative to said periphery accommodating relative passage between said distal member and said detent while said distal member is in said second position.